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NOTICE OF ALLOWANCE AND FEE(S) DUE

22428

10/535,703

7590

03/14/2008

FOLEY AND LARDNER LLP SUITE 500 3000 K STREET NW WASHINGTON, DC 20007

EXAMINER				
SUTHAR, RISHI S				
ART UNIT	PAPER NUMBER			
2862				

7565

DATE MAILED: 03/14/2008

028567-0140

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO.

TITLE OF INVENTION: AUTONOMOUS OPERATION CONTROL SYSTEM

05/19/2005

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/16/2008

Masayuki Hirafuji

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

appropriate. All further indicated unless correct maintenance fee notifica	correspondence including ed below or directed other tions.	ng the Patent, advance onerwise in Block 1, by (rders and notification of a) specifying a new corre	maintenance fees v spondence address	vill be ; and/or	mailed to the current of (b) indicating a separ	correspondence address as ate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Fee par	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
22428	7590 03/14	1/2008	Hav				deed on
FOLEY AND LARDNER LLP SUITE 500 3000 K STREET NW		I h Sta add trar	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.				
WASHINGTON	I, DC 20007						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	<u> </u>	ATTORNEY DOCKET		CONFIRMATION NO.
10/535,703	05/19/2005	•	Masayuki Hirafuji		•	028567-0140	7565
TITLE OF INVENTION	: AUTONOMOUS OPE	RATION CONTROL SY	STEM				
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0		\$1740	06/16/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
SUTHAR	, RISHI S	2862	396-427000	-			
1. Change of corresponde CFR 1.363).	ence address or indicatio	n of "Fee Address" (37	2. For printing on the			1	
	ondence address (or Cha	inge of Correspondence	(1) the names of up to or agents OR, alternati	o 3 registered pater vely,	nt attorr	neys 1	
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form ☐ the correspondence address or agents OR, all (2) the name of registered attorn		(2) the name of a sing	a single firm (having as a member a ney or agent) and the names of up to ent attorneys or agents. If no name is will be printed.				
PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer 2 registered pate							2 registered patent atto listed, no name will be
		A TO BE PRINTED ON	I THE PATENT (print or ty	pe)			
PLEASE NOTE: Unl	less an assignee is ident	ified below, no assignee	data will appear on the p	oatent. If an assign	ee is ic	lentified below, the do	cument has been filed for
(A) NAME OF ASSI	•	pletion of this form is NO	T a substitute for filing an (B) RESIDENCE: (CIT)	0	COUNT	RY)	
			(B) TELSTELL (CIT	and SITTLE OR)	
			_	_			_
Please check the appropr	iate assignee category or	categories (will not be pa	rinted on the patent):	Individual 🖵 C	orporati	on or other private grou	p entity 🖵 Government
4a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (Ple	ase first reapply a	ny prev	viously paid issue fee sl	nown above)
Issue Fee	T 11 12	to IS	A check is enclosed.				
☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies		Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any					
			overpayment, to Depo	osit Account Numb	er	(enclose an	extra copy of this form).
5. Change in Entity Sta	tus (from status indicate is SMALL ENTITY statu		☐ b. Applicant is no lor	oger claiming SMA	LL EN	FITY status See 37 CF	R 1 27(o)(2)
NOTE: The Issue Fee an	d Publication Fee (if rea	uired) will not be accepte	d from anyone other than				
interest as shown by the	records of the United Sta	ites Patent and Trademark	COffice.				
Authorized Signature				Date			
Typed or printed name				Registration 1	No		
This collection of inform	eation is required by 37 (FR 1 311. The information	on is required to obtain or	retain a benefit by	he pub	lic which is to file (and	by the USPTO to process)
an application. Confiden submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this bu 7irginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the NOT SEND FEES OR	7 1.14. This collection is es depending upon the indi e Chief Information Offic COMPLETED FORMS T	timated to take 12 vidual case. Any co er, U.S. Patent and O THIS ADDRES:	minutes omment Traden S. SENI	s to complete, including s on the amount of tim nark Office, U.S. Depar D TO: Commissioner fo	gathering, preparing, and e you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450,

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,703	05/19/2005 Masayuki Hirafuji		028567-0140	7565
22428 75	90 03/14/2008		EXAM	INER
FOLEY AND LA	ARDNER LLP		SUTHAR	, RISHI S
SUITE 500			ART UNIT	PAPER NUMBER
3000 K STREET NW WASHINGTON, DC 20007		2862 DATE MAILED: 03/14/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 435 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 435 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)		
	10/535,703	HIRAFUJI ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Pichi Suthar	2862		
	Rishi Suthar	2862		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in this application of the suppropriate communication RIGHTS. This application is subject	oplication. If not included on will be mailed in due course. THIS		
1. \boxtimes This communication is responsive to <u>the amendment filed</u>	d on 27 December 2007.			
2. The allowed claim(s) is/are <u>15-40</u> .				
3. ☐ Acknowledgment is made of a claim for foreign priority of a) ☐ All b) ☐ Some* c) ☐ None of the:	under 35 U.S.C. § 119(a)-(d) or (f).			
 Certified copies of the priority documents have 	ve been received.			
2. Certified copies of the priority documents have	ve been received in Application No	·		
Copies of the certified copies of the priority d	ocuments have been received in this	s national stage application from the		
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		y complying with the requirements		
4. A SUBSTITUTE OATH OR DECLARATION must be sub- INFORMAL PATENT APPLICATION (PTO-152) which gi				
5. CORRECTED DRAWINGS (as "replacement sheets") mu	ust be submitted.			
(a) ☐ including changes required by the Notice of Draftspe	rson's Patent Drawing Review (PTC	0-948) attached		
1) ☐ hereto or 2) ☐ to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examine Paper No./Mail Date	r's Amendment / Comment or in the	Office action of		
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in				
6. DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMENT				
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal	Patent Application		
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)				
3. ☐ Information Disclosure Statements (PTO/SB/08),	, Paper No./Mail Da 7. ☐ Examiner's Amend	ate .		
Paper No./Mail Date				
 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 8. ☑ Examiner's Statement of Reasons for Allowance 9. ☐ Other 				
	o. 🗀 outet			

Application/Control Number: 10/535,703 Page 2

Art Unit: 2862

REASONS FOR ALLOWANCE

1. Claims 15-40 are allowed.

in combination with the other claimed elements.

2. The following is an examiner's statement of reasons for allowance: The primary reasons for allowance are the limitations found in independent claims 15 and 28 for an autonomous operation control system comprising a signal generating unit that generates a plurality of signals, which include an unpleasant noise, an alarm, a flash, a communication signal, a laser light, a signal source for measuring the Doppler effect, and a wind velocity and distance, in combination with the other claimed elements. The prior art does not disclose or suggest any motivation to teach this combination of signals

3. All previous claim objections and rejections have thus been withdrawn in view of Applicant's amendments and arguments.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Telephone Numbers

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rishi Suthar whose telephone number is 571-272-8456. The examiner can normally be reached on M-F 8:30am to 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Assouad can be reached on 571-272-2210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William B. Perkey/ for Patrick Assouad, SPE of Art Unit 2862 Rishi Suthar Examiner Art Unit 2862

RS

March 14, 2008